Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/14/2022 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125199	0	1.65	125173	1.61
Blue	F	SSC	125000	123093	-2	2.92	123666	2.82
Blue	E	FITC	13602	13146	-4	2.46	366	13.90
Blue	D	PE	24891	24749	-1	1.85	587	10.49
Blue	B	PerCP-Cy5-5	33972	33402	-2	3.17	953	14.94
Blue	A	PE-Cy7	22865	22742	-1	5.05	472	31.45
Red	C	APC	47198	46790	-1	2.54	1618	11.18
Red	A	APC-Cy7	26454	25936	-2	3.05	732	12.23
Violet	B	V450	6737	6474	-4	3.71	453	11.59
Violet	A	V500	29317	28423	-4	3.26	975	8.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24149	2.76	566	31	N/A	N/A	Pass
Blue	F	SSC	55276	2.22	521	0	N/A	N/A	Pass
Blue	E	FITC	55	53.22	489	5	0.0390	45	Pass
Blue	D	PE	114	38.92	493	7	0.4125	321	Pass
Blue	B	PerCP-Cy5-5	150	42.36	586	7	0.0201	107	Pass
Blue	A	PE-Cy7	78	80.87	629	8	0.0209	0	Pass
Red	C	APC	339	25.85	573	1	0.0304	261	Pass
Red	A	APC-Cy7	136	34.11	551	0	0.0064	1153	Pass
Violet	B	V450	77	47.27	443	-7	0.0544	2251	Pass
Violet	A	V500	114	36.34	463	-6	0.0247	1740	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.98	-31.77	1.12
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.89	13.90 - 20.86	N/A	N/A	30.27	30.38	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9906

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments